

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Ben Markin

GENERAL INFORMATION

Name: U.S. Army Armor Center and Fort Knox
Address: Attn: Colonel Keith A. Armstrong
U.S. Army Armor Center and Fort Knox
DBOS Environmental Management Division Building 1110
Fort Knox, Kentucky 40121-5000
Date application received: April 7, 2004 and April 8, 2004
SIC/Source description: 9711
AFS Plant ID number: 21-093-00022
Application log number: 56473
Permit number: V-02-030 Revision 1

APPLICATION TYPE/PERMIT ACTIVITY

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__X_Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/Operating

COMPLIANCE SUMMARY

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS

☐ Acid rain source
☐ Source subject to 112(r)
☐ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY

Pollutant	Actual (tpy)	Potential (tpy)
PM	32	32
SO ₂	3	3
NO _x	421	421
CO	99	99
VOC	36	36
PM10	32	32

INITIAL SOURCE PROCESS DESCRIPTION:

An operating permit revised application received from U.S. Army Center and Fort Knox on March 06, 2002 was considered complete on September 09, 2002. The applicant proposes to operate natural gas/oil-fired heat exchangers, storage tanks, spray booths and degreaser at their existing facility in Fort Knox, Kentucky. The amount of paint to be used for all paint booths shall not equal or exceed 20,571 gallons per year.

MINOR REVISION 1–ADDITION OF INSIGNIFICANT ACTIVITIES

Fort Knox applied to the Division on April 7, 2004 and April 8, 2004 for the addition of two new 359 gallons per minute cooling towers to existing boilers, and twelve natural gas fired heaters at 60, 000 Btu/hr each for the three new school buildings at their facility. In accordance with 401 KAR 52:020, Section 6, emissions from all twelve units is less than 2 tons of each regulated air pollutant, therefore, they have been classified as insignificant units. Additionally, a paint both, two natural gas fired indirect heat exchangers less than 1mmBtu, and a 2 mmBtu natural gas fired indirect heat exchanger approved under 401 KAR 52:020, Section 17, Off permit changes and Section 18, 502 (b)(10) in 2003 have been added to the insignificant activity list in the permit.

EMISSIONS AND OPERATING CAP DESCRIPTION:

None

OPERATIONAL FLEXIBILITY:

None